CRF ⬤ors Corrected by the STIC Syste⬤ Branch

~~ENTERED~~

Serial Number: 09/804,733 C

CRF Processing Date: 2/27/2003
Edited by: _____
Verified by: ___ AV ___ (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☑ Other: _Seq. 6 - corrected <222> response_
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/804,733C**

DATE: 02/27/2003
TIME: 21:30:46

Input Set : **N:\Crf4\02262003\I804733C.raw**
Output Set: **N:\CRF4\02272003\I804733C.raw**

```
 1 <110> APPLICANT: WANG, QI ET AL.
 2 <120> TITLE OF INVENTION: RECOMBINANT PROTEINS CONTAINING REPEATING UNITS
 3 <130> FILE REFERENCE: MONS:016US
```

C--> 4 <140> CURRENT APPLICATION NUMBER: US/09/804,733C

```
 5 <141> CURRENT FILING DATE: 2001-03-13
 6 <150> PRIOR APPLICATION NUMBER: PCT/US01/07957
 7 <151> PRIOR FILING DATE: 2001-03-13
 8 <160> NUMBER OF SEQ ID NOS: 29
 9 <170> SOFTWARE: PatentIn Ver. 2.1
11 <210> SEQ ID NO: 1
12 <211> LENGTH: 5
13 <212> TYPE: PRT
14 <213> ORGANISM: Euthynnus pelamis
15 <400> SEQUENCE: 1
16       Leu Lys Pro Asn Met
17         1               5
19 <210> SEQ ID NO: 2
20 <211> LENGTH: 4
21 <212> TYPE: PRT
22 <213> ORGANISM: Euthynnus pelamis
23 <400> SEQUENCE: 2
24       Lys Pro Asn Met
25         1
27 <210> SEQ ID NO: 3
28 <211> LENGTH: 4
29 <212> TYPE: PRT
30 <213> ORGANISM: Euthynnus pelamis
31 <400> SEQUENCE: 3
32       Val Val Tyr Pro
33         1
35 <210> SEQ ID NO: 4
36 <211> LENGTH: 15
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
41       Primer
42 <220> FEATURE:
43 <221> NAME/KEY: modified_base
44 <222> LOCATION: (3)..(9)
45 <223> OTHER INFORMATION: N = A, C, G or T/U
46 <400> SEQUENCE: 4
```

W--> 47   ctnaarccna ayatg   15

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733C

DATE: 02/27/2003
TIME: 21:30:46

Input Set : **N:\Crf4\02262003\I804733C.raw**
Output Set: **N:\CRF4\02272003\I804733C.raw**

```
        49 <210> SEQ ID NO: 5
        50 <211> LENGTH: 60
        51 <212> TYPE: DNA
        52 <213> ORGANISM: Artificial Sequence
        53 <220> FEATURE:
        54 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        55       Primer
        56 <220> FEATURE:
        57 <221> NAME/KEY: modified_base
        58 <222> LOCATION: (3)..(54)
        59 <223> OTHER INFORMATION: N = A, C, G, or T/U
        60 <400> SEQUENCE: 5
W-->    61      ctnaarccna ayatgctnaa rccnaayatg ctnaarccna ayatgctnaa rccnaayatg 60
        63 <210> SEQ ID NO: 6
        64 <211> LENGTH: 60
        65 <212> TYPE: DNA
        66 <213> ORGANISM: Artificial Sequence
        67 <220> FEATURE:
        68 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        69       Primer
        70 <220> FEATURE:
        71 <221> NAME/KEY: modified_base
        72 <222> LOCATION: (7)..(58)
        73 <223> OTHER INFORMATION: N = A, C, G or T/U
        74 <400> SEQUENCE: 6
W-->    75      catrttnggy ttnagcatrt tnggyttnag catrttnggy ttnagcatrt tnggyttnag 60
        77 <210> SEQ ID NO: 7
        78 <211> LENGTH: 25
        79 <212> TYPE: DNA
        80 <213> ORGANISM: Artificial Sequence
        81 <220> FEATURE:
        82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        83       Primer
        84 <220> FEATURE:
        85 <221> NAME/KEY: modified_base
        86 <222> LOCATION: (12)..(18)
        87 <223> OTHER INFORMATION: N = A, C, G or T/U
        88 <400> SEQUENCE: 7
W-->    89      aaagaattcc tnaarccnaa yatgc                                      25
        91 <210> SEQ ID NO: 8
        92 <211> LENGTH: 27
        93 <212> TYPE: DNA
        94 <213> ORGANISM: Artificial Sequence
        95 <220> FEATURE:
        96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        97       Primer
        98 <220> FEATURE:
        99 <221> NAME/KEY: modified_base
       100 <222> LOCATION: (18)..(24)
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733C

DATE: 02 27 2003
TIME: 21:30:46

Input Set : N:\Crf4\02262003\I804733C.raw
Output Set: N:\CRF4\02272003\I804733C.raw

```
101  <223> OTHER INFORMATION: N = A, C, G or T/U
102  <400> SEQUENCE: 8
W--> 103      aaagcggccg ccatrttngg yttnagc                         27
105  <210> SEQ ID NO: 9
106  <211> LENGTH: 20
107  <212> TYPE: DNA
108  <213> ORGANISM: Artificial Sequence
109  <220> FEATURE:
110  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
111        Primer
112  <400> SEQUENCE: 9
113        taatacgact cactataggg                                   20
115  <210> SEQ ID NO: 10
116  <211> LENGTH: 19
117  <212> TYPE: DNA
118  <213> ORGANISM: Artificial Sequence
119  <220> FEATURE:
120  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
121        Primer
122  <400> SEQUENCE: 10
123        cgatcaataa cgagtcgcc                                    19
125  <210> SEQ ID NO: 11
126  <211> LENGTH: 48
127  <212> TYPE: DNA
128  <213> ORGANISM: Artificial Sequence
129  <220> FEATURE:
130  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
131        Primer
132  <220> FEATURE:
133  <221> NAME/KEY: modified_base
134  <222> LOCATION: (3)..(48)
135  <223> OTHER INFORMATION: N = A, C, G or T/U
136  <400> SEQUENCE: 11
W--> 137      gtngtntayc cngtngtnta yccngtngtn tayccngtng tntayccn    48
139  <210> SEQ ID NO: 12
140  <211> LENGTH: 48
141  <212> TYPE: DNA
142  <213> ORGANISM: Artificial Sequence
143  <220> FEATURE:
144  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
145        Primer
146  <220> FEATURE:
147  <221> NAME/KEY: modified_base
148  <222> LOCATION: (1)..(46)
149  <223> OTHER INFORMATION: N = A, C, G or T/U
150  <400> SEQUENCE: 12
W--> 151      nggrtanacn acnggrtana cnacnggrta nacnacnggr tanacnac     48
153  <210> SEQ ID NO: 13
154  <211> LENGTH: 53
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/804,733C

DATE: 02.07.2003
TIME: 21:30:46

Input Set : **N:\Crf4\02262003\I804733C.raw**
Output Set: **N:\CRF4\02272003\I804733C.raw**

155 <210> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
159   Primer
160 <220> FEATURE:
161 <221> NAME/KEY: modified_base
162 <222> LOCATION: (12)..(33)
163 <223> OTHER INFORMATION: N = A, C, G or T/U
164 <400> SEQUENCE: 13

W--> 165   aaaggatccg tngtntaycc ngtngtntay ccn   33

167 <210> SEQ ID NO: 14
168 <211> LENGTH: 33
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
173   Primer
174 <220> FEATURE:
175 <221> NAME/KEY: modified_base
176 <222> LOCATION: (10)..(31)
177 <223> OTHER INFORMATION: N = A, C, G or T/U
178 <400> SEQUENCE: 14

W--> 179   cccaagcttn ggrtanacna cnggrtanac nac   33

181 <210> SEQ ID NO: 15
182 <211> LENGTH: 45
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
187   Primer
188 <220> FEATURE:
189 <221> NAME/KEY: modified_base
190 <222> LOCATION: (3)..(45)
191 <223> OTHER INFORMATION: N = A, C, G or T/U
192 <400> SEQUENCE: 15

W--> 193   gtnccnccng tnccnccngt nccnccngtn ccnccngtnc cnccn   45

195 <210> SEQ ID NO: 16
196 <211> LENGTH: 45
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
201   Primer
202 <220> FEATURE:
203 <221> NAME/KEY: modified_base
204 <222> LOCATION: (1)..(43)
205 <223> OTHER INFORMATION: N = A, C, G or T/U
206 <400> SEQUENCE: 16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/804,733C

DATE: 02/27/2003
TIME: 21:30:46

Input Set : N:\Crf4\02262003\I804733C.raw
Output Set: N:\CRF4\02272003\I804733C.raw

W--> 207   nggnggnacn ggnggnacng gnggnacngg nggnacnggn ggnac   45
    209 <210> SEQ ID NO: 17
    210 <211> LENGTH: 36
    211 <212> TYPE: DNA
    212 <213> ORGANISM: Artificial Sequence
    213 <220> FEATURE:
    214 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
    215   Primer
    216 <220> FEATURE:
    217 <221> NAME/KEY: modified_base
    218 <222> LOCATION: (12)..(36)
    219 <223> OTHER INFORMATION: N = A, C, G or T/U
    220 <400> SEQUENCE: 17

W--> 221   aaaggatccg tnccnccngt nccnccngtn ccnccn   36
    223 <210> SEQ ID NO: 18
    224 <211> LENGTH: 36
    225 <212> TYPE: DNA
    226 <213> ORGANISM: Artificial Sequence
    227 <220> FEATURE:
    228 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
    229   Primer
    230 <220> FEATURE:
    231 <221> NAME/KEY: modified_base
    232 <222> LOCATION: (10)..(34)
    233 <223> OTHER INFORMATION: N = A, C, G or T/U
    234 <400> SEQUENCE: 18

W--> 235   aataagcttn ggnggnacng gnggnacngg nggnac   36
    237 <210> SEQ ID NO: 19
    238 <211> LENGTH: 8
    239 <212> TYPE: PRT
    240 <213> ORGANISM: Artificial Sequence
    241 <220> FEATURE:
    242 <223> OTHER INFORMATION: Description of Artificial Sequence:m Synthetic
    243   Peptide
    244 <400> SEQUENCE: 19
    245   Val Pro Pro Leu Lys Pro Asn Met
    246   1   5
    248 <210> SEQ ID NO: 20
    249 <211> LENGTH: 48
    250 <212> TYPE: DNA
    251 <213> ORGANISM: Artificial Sequence
    252 <220> FEATURE:
    253 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
    254   Primer
    255 <220> FEATURE:
    256 <221> NAME/KEY: modified_base
    257 <222> LOCATION: (3)..(42)
    258 <223> OTHER INFORMATION: N = A, C, G or T/U
    259 <400> SEQUENCE: 20

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/804,733C

DATE: 02/27/2003
TIME: 21:30:47

Input Set : N:\Crf4\02262003\I804733C.raw
Output Set: N:\CRF4\02272003\I804733C.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:4; N Pos. 3,9
Seq#:5; N Pos. 3,9,18,24,33,39,48,54
Seq#:6; N Pos. 7,13,22,28,37,43,52,58
Seq#:7; N Pos. 12,18
Seq#:8; N Pos. 18,24
Seq#:11; N Pos. 3,6,12,15,18,24,27,30,36,39,42,48
Seq#:12; N Pos. 1,7,10,13,19,22,25,31,34,37,43,46
Seq#:13; N Pos. 12,15,21,24,31,33
Seq#:14; N Pos. 10,16,19,22,28,31
Seq#:15; N Pos. 3,6,9,12,15,18,21,24,27,30,33,36,39,42,45
Seq#:16; N Pos. 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43
Seq#:17; N Pos. 12,15,18,21,24,27,30,33,36
Seq#:18; N Pos. 10,13,16,19,22,25,28,31,34
Seq#:20; N Pos. 3,6,9,12,18,27,30,33,36,42
Seq#:21; N Pos. 7,13,16,19,22,31,37,40,43,46
Seq#:22; N Pos. 13,16,19,22,28,37,40,43,46,52
Seq#:23; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82
Seq#:25; N Pos. 3,6,9,15,18,21,24,30,39,42,45,51,54,57,60,66
Seq#:26; N Pos. 7,13,16,19,22,28,31,34,43,49,52,55,58,64,67,70
Seq#:27; N Pos. 13,16,19,25,28,31,34,40,49,52,55,61,64,67,70,76
Seq#:28; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82
```